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10/777,772

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EXAMINER

EREZO, DARWIN P

ART UNIT

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

14

<b>Interview Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/777,772	FUKUNAGA ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Darwin P. Erez	3731	

All participants (applicant, applicant's representative, PTO personnel):

- (1) Darwin P. Erez. (3) Dr. Fukunaga.  
 (2) Dr. Schein. (4) Mrs. Fukunaga.

Date of Interview: 14 May 2007.

Type: a) ☐ Telephonic b) ☐ Video Conference  
 c) ☒ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☒ Yes e) ☐ No.  
 If Yes, brief description: Models for the F1, F2 and F3 (instant invention) unilimb circuits.

Claim(s) discussed: 1.

Identification of prior art discussed: Clawson et al. (WO 85/05277), Suzuki (4,463,755).

Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: An agreement was reached that the proposed amendment to the claims has overcome the rejections over the Clawson and the Suzuki reference. A copy of the amendment is provided with this Interview Summary (duplicate claims will be cancelled prior to the submission of the response). In addition, a Declaration under 1.132 and a TD will be filed with the formal response to the Office action.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

  
 Examiner's signature, if required

## CLAIMS:

1. (Currently amended) A unilimb multilumen respiratory circuit comprising first and second conduits, each of said conduits having a proximal and a distal end, wherein said proximal end of said first conduit can be operatively connected to an inlet for respiratory gases and said second conduit can be operatively connected to an outlet for respiratory gases, wherein said first conduit comprises pleated tubing and said second conduit comprises pleated tubing, said conduits being connected at their distal ends to a common distal fitting, wherein said first and second conduits meet the flow requirements and compliance required for spontaneous and assisted ventilation, and wherein said distal fitting can be detachably connected directly to a patient airway device selected from the group consisting of a mask, an endotracheal tube, a laryngeal mask, a laryngeal tube, and a nasal tube, wherein axial extension or contraction of said distal end of said second conduit causes a corresponding axial extension or contraction of said distal end of said first conduit, wherein upon axial extension of said distal end of said second conduit from a first compressed axial conformation to a second expanded axial conformation, or vice versa, said second conduit will retain said second conformation, and wherein said first conduit will expand or contract in length with corresponding axial expansion or contraction of said second conduit, wherein said proximal end of said first conduit is connected to said proximal end of said second conduit via a common proximal fitting or proximal terminal, wherein axial extension or contraction will adjust the volume therein of at least one of said first or second conduits.

Claims 2 -11. (Canceled).

12. (Currently amended) The circuit of claim 1-5, wherein the length of said first tube can be longer than said second tube when the length of said first tube is not constrained by mutual connection with said second tube to said fittings or said distal fitting and said proximal terminal.

Claims 13 -14 (Canceled).

15. (Previously presented) The circuit of claim 1, wherein the amplitudes or wavelengths of the pleats of said first and second tube are proportional in size.

16. (Original) The circuit of claim 1, wherein said first and second conduits have resistance to flow of less than about 6 cm H<sub>2</sub>O at flow rates of up to about 60 L/min.

17. (Currently amended) The circuit of claim 1 ~~2~~, wherein at least a portion of said first conduit is contained within said second conduit.

18. (Currently amended) The circuit of claim 1 ~~4~~, wherein at least a portion of said first conduit is contained within said second conduit.

19. (Canceled).

20. (Previously presented) The circuit of claim 18, wherein said at least a portion of said first conduit contained within said second conduit is coaxial therewith.

21. (Currently amended) The circuit of claim 1 ~~2~~, wherein said proximal fitting or proximal terminal comprises at least two lumens each having filters therein to provide for independent filtration of fluid passing to or from said first and second conduits via said proximal fitting or proximal terminal.

22. (Currently amended) The circuit of claim 1 ~~4~~, wherein said proximal fitting or proximal terminal comprises at least two lumens each having filters therein to provide for independent filtration of fluid passing to or from said first and second conduits via said proximal fitting or proximal terminal.

Claims 23 – 24 (Canceled).

25. (Previously presented) The circuit of claim 17, wherein said proximal fitting or proximal terminal comprises at least two lumens each having filters therein to provide for independent filtration of fluid passing to or from said first and second conduits via said proximal fitting or proximal terminal.

26. (Original) A ventilation or anesthesia system, comprising the unilimb multilumen respiratory circuit of claim 1.

27. (Canceled).

28. (Original) A ventilation or anesthesia system, comprising the unilimb multilumen respiratory circuit of claim 17.

29. (Original) A ventilation or anesthesia system, comprising the unilimb multilumen respiratory circuit of claim 20.

30. (Withdrawn) A circuit having an inner tube and an outer tube, said inner and outer tube each having a proximal end connected to a common proximal fitting and each said tube having a distal end connected to a common distal fitting, wherein said outer tube is of fixed length and said inner tube is pleated so that said inner tube can expand and contract in length, wherein said inner tube if not constrained between said distal and proximal fittings by common connection thereto with said outer tube can be axially compressed to a length equal to or less than said fixed length or be axially extended to a length greater than said fixed length.

31. (Previously presented) A ventilation or anesthesia system, comprising the unilimb multilumen respiratory circuit of claim 21.

32. (Previously presented) A ventilation or anesthesia system, comprising the unilimb multilumen respiratory circuit of claim 22.